

FIG. 1

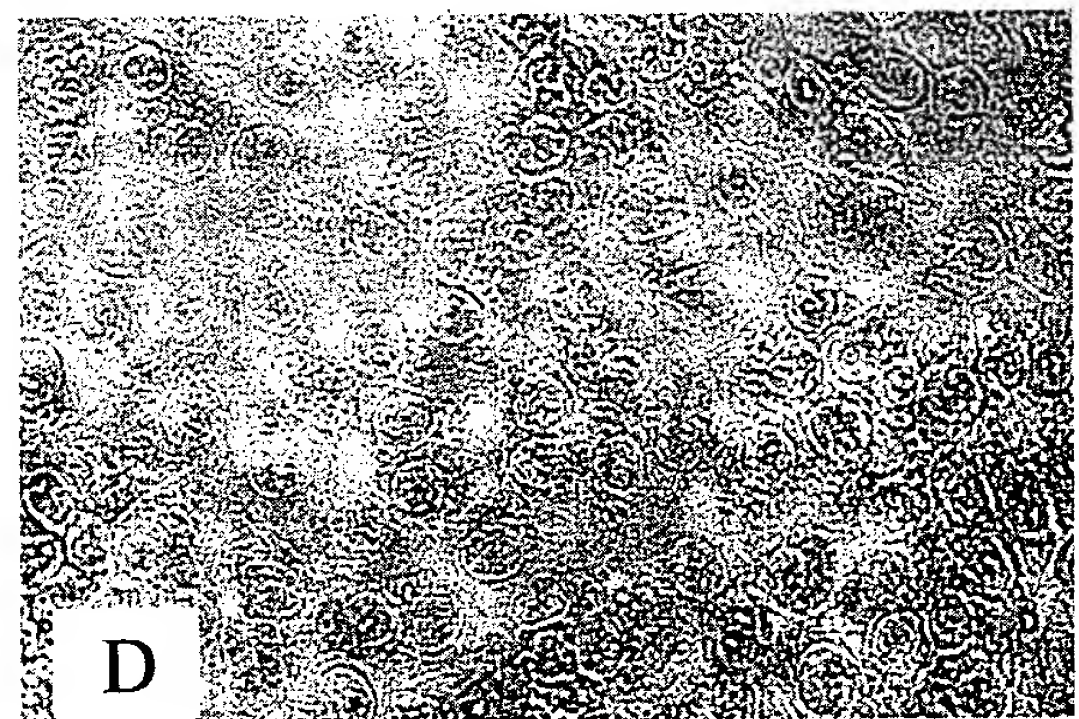
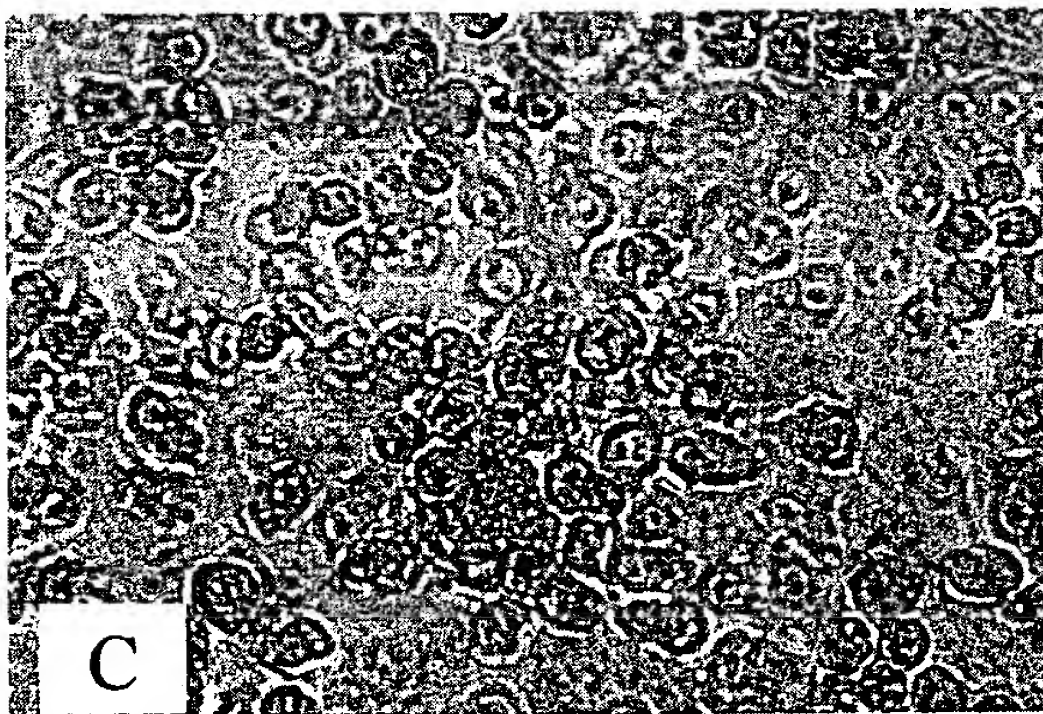
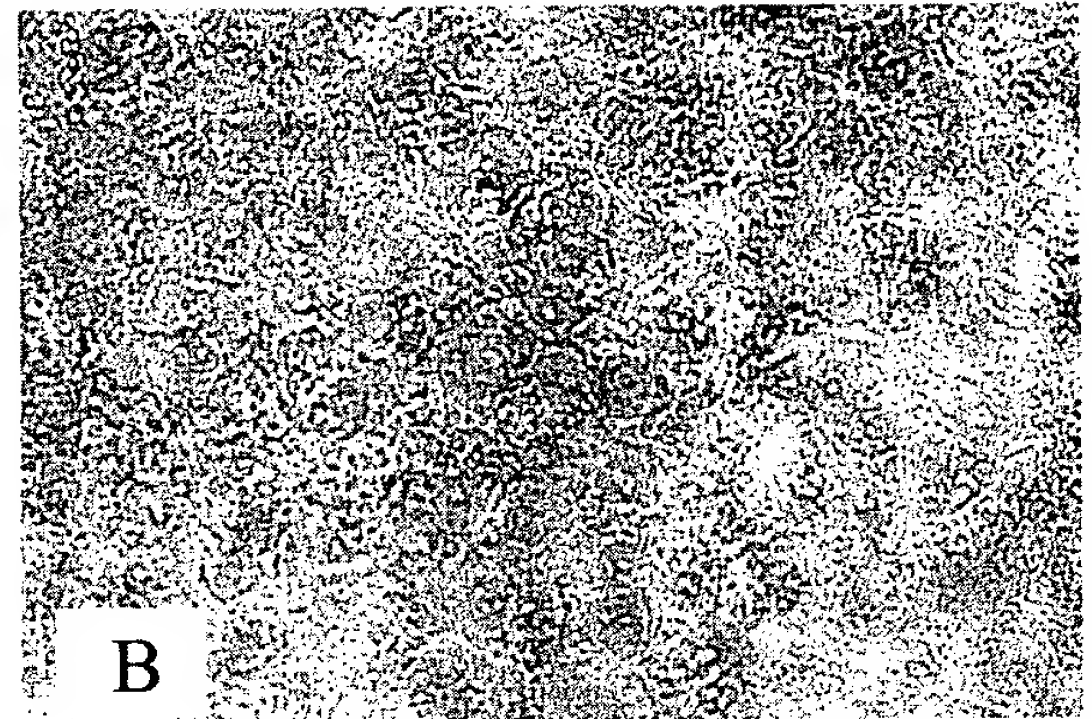
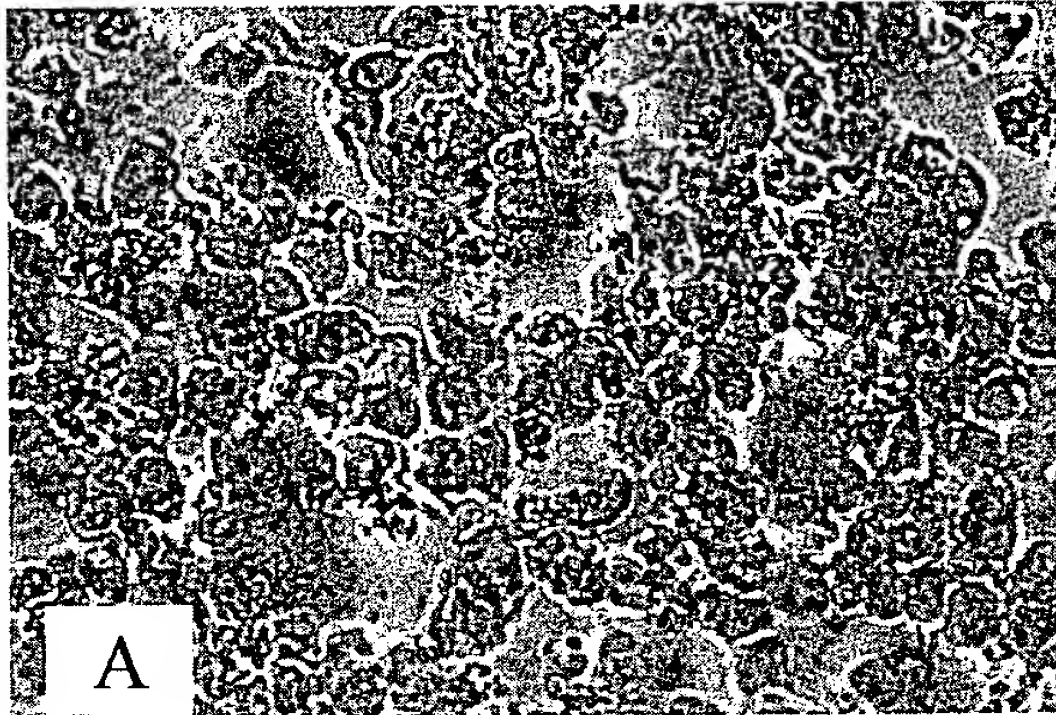


FIG. 2

1 ccgagcgtgc ccgcggcgct gcccctcctc ggggagctgc cccggctgct gctgctggtg
 61 ctgttgtgcc tgccggccgt gtgggggtgac tgtggccttc cccagatgt acctaagtcc
 121 cagccagctt tggaaggccg tacaagtttt cccgaggata ctgtaataac gtacaaatgt
 181 gaagaaagct ttgtgaaaat tcctggcgag aaggactcag tgacctgcct taagggcatg
 241 caatggtcag atattgaaga gttctgcaat cgtagctgcg aggtgccaac aaggctaaat
 301 tctgcatccc tcaaacagcc ttatatcact cagaattatt ttccagtcgg tactgttgtg
 361 gaatatgagt gccgtccagg ttacagaaga gaaccttctc tatcaccaaa actaacttgc
 421 cttcagaatt taaaatgggt cacagcagtc gaattttgta aaaagaaatc atgccctaata
 481 ccgggagaaa tacgaaatgg tcagattgat gtaccagggtg gcatattatt tgggtgcaacc
 541 atctccttct catgtaacac agggtagaaa ttatttgggt cgacttctag tttttgtctt
 601 atttcaggca gctctgtcca gtggagtgc cgttgccag agtgcagaga aatttattgt
 661 ccagcaccac cacaattga caatggaata attcaagggg aacgtgacca ttatggatat
 721 agacagtctg taacgtatgc atgtaataaa ggattcacca tgattggaga gcactctatt
 781 tattgtactg tgaataatga tgaaggagag tggagtggcc caccacctga atgcagagga
 841 aaatctctaa cttccaaggt cccaccaaca gttcagaaac ctaccacagt aaatgttcca
 901 actacagaag tctcaccaac ttctcagaaa accaccacaa aaaccaccac accaaatgct
 961 caagcaacac ggagtacacc tgtttccagg acaaccaagc attttcatga aacaaccca
 1021 aataaaggaa gtggaaccac ttcagggtact acccgtcttc tatctgggca cacgtgttct
 1081 acgttgacag gtttgcttgg gacgctagta accatgggtc tgctgactta gccaaagaag
 1141 agttaagaag aaaatacaca caagtataca gactgttctc agtttcttag acttatctgc
 1201 atattggata aaataaatgc aattgtgctc ttcatttagg atgctttcat tgtctttaag
 1261 atgtgttagg aatgtcaaca gagcaaggag aaaaaaggca gtcctggaat cacattctta
 1321 gcacacctgc gcctcttgaa aatagaacaa cttgcagaat tgagagtgat tcttttcta
 1381 aaagtgtgag aaagcataga gatttgttcg tattaagaat gggatcacga ggaaaagaga
 1441 aggaaagtga tttttttcca caagatctga aatgatattt ccacttataa aggaaataaa
 1501 aaatgaaaaa cattatttgg atatcaaaag caaataaaaa cccaattcag tctcttcta
 1561 gcaaaattgc taaagagaga tgaccacatt ataaagtaat ctttggctaa ggcattttca
 1621 tctttccttc ggttggcaaa atatttttaa ggtaaaacat gctggtgaac caggggtgtg
 1681 atggtgataa gggaggaata tagaatgaaa gactgaatct tcttttgttg cacaaataga
 1741 gtttggaaaa agcctgtgaa aggtgtcttc tttgacttaa tgtcttttaa agtatccaga
 1801 gatactacaa tattaacata agaaaagatt atatattatt tctgaatcga gatgtccata
 1861 gtcaaatttg taaatcttat tcttttgtaa tattttattt tattttattt tgacagtga
 1921 cattctgatt ttacatgtaa aacaagaaaa gttgaagaag atatgtgaag aaaaatgtat
 1981 ttttcctaaa tagaaataaa tgatccatt ttttggt

FIG. 3A

PSVPAALPLLGELPRLLLLVLLCLPAVWGDCGLPPDVPNAQPAL
EGRTSFPEDTVITYKCEESFVKIPGEKDSVTCLKGMQWSDIEEFCNRSCEVPTRLNSA
SLKQPYITQNYFPVGTVVEYECRPGYRREPSLSPKLTCLQNLKWSTAVEFCKKKSCPN
PGEIRNGQIDVPGGILFGATISFSCNTGYKLFGSTSSFCLISGSSVQWSDPLPECREI
YCPAPPQIDNGIIQGERDHYGYRQSVTYACNKGFTMIGEHSIYCTVNNDEGEWSGPPP
ECRGKSLTSKVPPTVQKPTTVNVPTTEVSPTSQKTTTKTTTPNAQATRSTPVSRTTKH
FHETTPNKSGTTS GTTRLLSGHTCFTLTGLLGTLVTMGLLT

FIG. 3B

A

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1  ccgctgggcg tagctgcgac tcggcggagt cccggcggcg cgtccttggt ctaacccggc
61  gcgccatgac cgtcgcgcg cgcagcgtgc cgcggcgct gccctcctc ggggagctgc
121 cccggctgct gctgctggtg ctggttggtg tgccggccgt gtgggggtgac tgtggccttc
181 ccccagatgt acctaatgcc cagccagctt tggaaggccg tacaagtttt cccgaggata
241 ctgtaataac gtacaaatgt gaagaaagct ttgtgaaaat tcctggcgag aaggactcag
301 tgatctgcct taagggcagt caatggtcag atattgaaga gttctgcaat cgtagctgcg
361 aggtgccaac aaggctaaat tctgcatccc tcaaacagcc ttatatcact cagaattatt
421 ttccagtcgg tactgttggt gaatatgagt gccgtccagg ttacagaaga gaaccttctc
481 tatcaccaaa actaacttgc cttcagaatt taaaatggtc cacagcagtc gaattttgta
541 aaaagaaatc atgccctaata cggggagaaa tacgaaatgg tcagattgat gtaccagggtg
601 gcatattatt tgggtgcaacc atctccttct catgtaacac aggggtacaaa ttattttggct
661 cgacttctag tttttgtctt atttcaggca gctctgtcca gtggagtgac ccgttgccag
721 agtgcagaga aatttattgt ccagcaccac cacaattga caatggaata attcaagggg
781 aacgtgacca ttatggatat agacagtctg taacgtatgc atgtaataaa ggattcacca
841 tgattggaga gcactctatt tattgtactg tgaataatga tgaaggagag tggagtggcc
901 caccacctga atgcagagga aaatctctaa cttccaaggt cccaccaaca gttcagaaac
961 ctaccacagt aaatgttcca actacagaag tctcaccaac ttctcagaaa accaccacaa
1021 aaaccaccac accaaatgct caagcaacac ggagtacacc tgtttccagg acaaccaagc
1081 attttcatga aacaacccca aataaaggaa gtggaaccac ttcagggtact acccgtcttc
1141 tatctggttc tcgtcctgtc acccaggctg gtatgcggtg gtgtgatcgt agctcactgc
1201 agtctcgaac tcctgggttc aagcgatcct tccacttcag cctcccaagt agctgggtact
1261 acagggcaca cgtgtttcac gttgacaggt ttgcttggga cgctagtaac catgggcttg
1321 ctgacttagc caaagaagag ttaagaagaa aatacacaca agtatacaga ctgttcctag
1381 tttcttagac ttatctgcat attggataaa ataaatgcaa ttgtgctctt catttaggat
1441 gctttcattg tctttaagat gtgttaggaa tgtcaacaga gcaaggagaa aaaaggcagt
1501 cctggaatca cattcttagc acacctacac ctcttgaaaa tagaacaact tgcagaattg
1561 agagtgattc ctttcctaaa agtgtaagaa agcatagaga tttgttcgta tttagaatgg
1621 gatcacgagg aaaagagaag gaaagtgatt tttttccaca agatctgtaa tgttatttcc
1681 acttataaag gaaataaaaa atgaaaaaca ttatttggat atcaaaaagca aataaaaacc
1741 caattcagtc tcttctaagc aaaattgcta aagagagatg aaccacatta taaagtaatc
1801 tttggctgta aggcattttc atctttcctt cgggttggca aaatatttta aaggtaaaac
1861 atgctggtga accaggggtg ttgatggtga taagggagga atatagaatg aaagactgaa
1921 tcttcctttg ttgcacaaat agagtttggg aaaagcctgt gaaagggtgc ttctttgact
1981 taatgtcttt aaaagtatcc agagatacta caatattaac ataagaaaag attatatatt
2041 atttctgaat cgagatgtcc atagtcaaat ttgtaaatct tattcttttg taatatttat
2101 ttatatattat ttatgacagt gaacattctg attttacatg taaaacaaga aaagttgaag
2161 aagatatgtg aagaaaaatg tatttttctt aaatagaaat aaatgatccc attttttgg

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B

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MTVARPSVPAALPLLGELPRLLLLVLCLPAVWGDCGLPPDVPN
AQPALGRTSFPEDTVITYKCEESFVKIPGEKDSVICLKGSQWSDIEEFCNRSCEVPT
RLNSASLKQPYITQNYFPVGTVVEYECRPGYRREPSLSPKLTCLQNLKWSTAVEFCKK
KSCPNPGEIRNGQIDVPGGILFGATISFSCNTGYKLFGSTSSFCLISGSSVQWSDPLP
ECREIYCPAPPQIDNGIIQGERDHYGYRQSVTYACNKGFTMIGEHSIYCTVNNDEGEW
SGPPPECRGKSLTSKVPPTVQKPTTVNVPTTEVSPTSQKTTTKTTTPNAQATRSTPVS
RTTKHFHETTPNKSGTTS GTTRLLSGHTCFTLTGLLGLVTMGLLT

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FIG. 4